

ITEM:

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SUBJECT:

Uncontested Waste Discharge Requirements

REPORT:

Following are the proposed waste discharge requirements that prohibit discharge to surface waters. All agencies and the dischargers concur or have offered no comments. Items indicated as updates on the summary agenda make the requirements consistent with current plans and policies of the Board.

- a. Granite Construction Company proposes to operate a gravel mining operation on a portion of the Inactive Rancho Cordova Test Site. The source of water for dust control is a water supply well on the property that has been polluted by past rocket testing activities by Aerojet and McDonnell-Douglas Corporations. Granite will be providing treatment to remove trichloroethylene, and potentially perchlorate, to non-detect values of 0.5 ug/L and 4.0 ug/L, respectively for those two pollutants. The only use of the water will be for dust control as the mining process will utilize dry methods for segregation of materials. The well will supply up to 100 gallons per minute to the treatment system for up to 20 hours per day, 5 days per week. The treated water will be stored in a 10,000 gallon overhead water tank. Water will be transferred from the tanks to a water truck and sprayed around the site for dust control, as needed. Processed materials will be loaded onto trucks and weighed at an on-site scale house
- b. The United States Air Force (Air Force) operates Beale Air Force Base located in Yuba County approximately 40 miles north of Sacramento and 10 miles east of Marysville. Site 32, the location of the proposed in-situ chemical oxidation (ISCO) treatability study is in northwestern portion of Beale AFB, in the flightline area. Contaminants of concern in groundwater at Site 32 include volatile organic compounds (VOCs) and total petroleum hydrocarbons in the diesel range. The primary VOC detected in groundwater in the project area is trichloroethylene (TCE) at a maximum historical concentration of 5179 micrograms per liter (µg/l).

The Air Force proposes to operate an ISCO system to enhance dechlorination of VOCs using the treatment enhancing substance potassium permanganate as an oxidant. Using potassium permanganate, chlorinated VOCs are broken down into inert constituents such as carbon dioxide, hydrogen, chloride and water. The ISCO system at Site 32 will include approximately 31 injection points that will be aligned in a grid over the 1000 µg/l TCE plume area. The location of the injection

points may be modified as necessary to assure treatment of the 1000 µg/l TCE plume area and will be optimized to provide cleanup of the 500 µg/l TCE plume area if shown to be technically and economically feasible.

There is a potential for an increase of some dissolved metals and other constituents within the treatment areas. If it is determined that dissolved metals or other constituents are migrating outside of the treatment area, the Discharger would be required to implement contingency measures that could include additional remediation to address impacts from dissolved metals.

- c. Langtry Farms, Limited Liability Company (facility owner) and Magoon Estates Limited (landowner) propose to construct and operate a Class II surface impoundment at the Guenoc Winery, located about two miles southeast of Middletown in Lake County. Five unlined ponds are currently used to treat and dispose of winery wastewater. In 2006, the Regional Water Board adopted revised Non-15 WDRs and a cease and desist order (CDO) for the winery's wastewater operations. The CDO and the WDRs found the wastewater to be a designated waste because of groundwater pollution associated with the unlined ponds. The CDO required submission of a report of waste discharge for construction of a Title 27 surface impoundment to replace the unlined ponds. The proposed WDRs would regulate the Class II surface impoundment in accordance with Title 27. Wastewater from the impoundment will be blended with irrigation water and used for irrigation under the existing Non-15 WDRs. Surface water drainage is to Bucksnot Creek, which is a tributary to McCreary Lake, Putah Creek, and Lake Berryessa. (MRH)

RECOMMENDATION: Adopt the proposed waste discharge requirements.

Mgmt. Review _____

Legal Review _____

Regular Board Meeting
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive, #200
Rancho Cordova, CA 95670

15/16 March 2007